# PATENT COOPERATION TREATY PCT

CONFIRMATION

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference AY/2005.1846	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/SG2005/000106	International filing date (day/month/ye 1 April 2005	(Earliest) Priority Date (day/month/year)  2 April 2004
Applicant		
AGENCY FOR SCIENCE, TE	CHNOLOGY AND RESEARCH	Ietal
	٠	
Article 18. A copy is being transmitted to th	e International Bureau.	thority and is transmitted to the applicant according to
This international search report consists of a		
It is also accompanied by a cop	y of each prior art document cited in this	report.
1. Basis of the report		
With regard to the language, the inte it was filed, unless otherwise indicate	rnational search was carried out on the b	asis of the international application in the language in which
Authority (Rule 23.1)	b)).	lation of the international application furnished to this
b. With regard to any nucleotide	and/or amino acid sequence disclosed in	n the international application, see Box No. I.
2. Certain claims were found un		
3. Unity of invention is lacking (	See Box No. III).	
4. With regard to the title,		
X the text is approved as submitte	d by the applicant.	
the text has been established by	this Authority to read as follows:	
		.· <u>.</u>
5. With regard to the abstract,	•	
,		
the text is approved as submitte	• • • •	
the text has been established, ac one month from the date of mai	cording to Rule 38.2(b), by this Authorit ling of this international search report, su	ry as it appears in Box No. IV. The applicant may, within abmit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be publi	shed with the abstract is Figure No. 1	
X as suggested by the ap	plicant.	
	hority, because the applicant failed to sug	
as selected by this Aut	hority, because this figure better characte	rizes the invention.
b. none of the figures is to be publ	ished with the abstract.	•

Form PCT/ISA/210 (first sheet) (January 2004)

			· · · · · · · · · · · · · · · · · · ·	1 C1/5G2003	7000100
Α.	CLASSIFICATION OF SUBJECT MAT	TER .			
Int. Cl. 7:	G06T 7/60, A61B 5/055	•			
According to	International Patent Classification (IPC)	or to both	national classification and IPC	•	
В.	FIELDS SEARCHED	•			
Minimum docu WPAT	mentation searched (classification system foll	lowed by c	lassification symbols)		· .
Documentation	searched other than minimum documentation	to the ext	ent that such documents are included i	in the fields searc	hed
Electronic data WPAT, INT	base consulted during the international search	name of	data base and, where practicable, sear , head, image, slice, sagittal, 31	ch terms used) D, volume, M	RI
C.	DOCUMENTS CONSIDERED TO BE REL	EVANT		-	
Category*	Citation of document, with indication,	where app	ropriate, of the relevant passages		Relevant to claim No.
x	"Automatic Extraction of the Centr Neuroradiology Images" Yanxi Liu University, Pittsburgh, PA, USA, 1 Retrieved on 6 May 2005, from UR http://www.ri.cmu.edu/pub_files/pu See the whole document.	et al. Th 996. L;	e Robotics Institute, Carnegie	Mellon	11-13
x	"Robust Midsagittal Plane Extraction Neuroradiology Images" Yanxi Liu 20, No. 3, March 2001, Pages 175-See the whole document	et al. IE		naging, Vol.	11-13
X F	I urther documents are listed in the con	tinuation	of Box C X See pate	nt family anno	ex
"A" documen	ategories of cited documents: t defining the general state of the art which is dered to be of particular relevance	· ca	ter document published after the internatio anflict with the application but cited to und aderlying the invention		
	plication or patent but published on or after the mai filing date	CI CI	ocument of particular relevance; the claime cannot be considered to involve an inven- one		
or which another c	t which may throw doubts on priority claim(s) is cited to establish the publication date of itation or other special reason (as specified) t referring to an oral disclosure, use, exhibition	"Y" do	ocument of particular relevance; the claime volve an inventive step when the documen ch documents, such combination being ob	t is combined with	one or more other
or other r		"&" de	scurrent member of the same patent family	•	•
Date of the actu	al completion of the international search		Date of mailing of the international	search report	1 6 JUN 2005
27 May 2005		<u>.</u>	Authorized off		
	ng address of the ISA/AU PATENT OFFICE VODEN ACT 2606, AUSTRALIA		Authorized officer		

International application No. PCT/SG2005/000106

·		PCT/SG2005/	000106
C (Continuation	n). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	 :	Relevant to claim No.
Х	WO 2003/060827 A1 (KENT RIDGE DIGITAL LABS) 24 July 2003 See the whole document	· · · · · · · · · · · · · · · · · · ·	11-13
х	"Computation of the Mid-Sagittal Plane in 3-D Brain Images" S. Prima et Transactions on Medical Imaging, Vol. 21, No. 2, February 2002, Pages 1 See the whole document	al. IEEE 22-138.	11-13
A,P	WO 2004/034178 A2 (LABORITORIES FOR INFORMATION TECHNO April 2004	OLOGY) 22	
ŀ			
		:	

Information on patent family members

International application No.

PCT/SG2005/000106

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report						Member		
wo	03060827	ĄU	2002236414	EP	1474782	US	2004240753	
wo	2004034178	AU	2002348568		·			

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

# PATENT COOPERATION TREATY PCT



## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference AY/2005.1846	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/SG2005/000106	International filing date (day/mon. 1 April 2005	(Earliest) Priority Date (day/month/year)  2 April 2004
Applicant AGENCY FOR SCIENCE, TE	CHNOLOGY AND RESEAR	
This international search report has been prep Article 18. A copy is being transmitted to the	ared by this International Searching International Bureau.	g Authority and is transmitted to the applicant according to
This international search report consists of a t	otal of 4 sheets. y of each prior art document cited in	n this report.
1. Basis of the report		
With regard to the language, the inter it was filed, unless otherwise indicated	national search was carried out on t I under this item.	the basis of the international application in the language in which
The international searce Authority (Rule 23.1(b	h was carried out on the basis of a t )).	translation of the international application furnished to this
b. With regard to any nucleotide a	nd/or amino acid sequence disclos	sed in the international application, see Box No. I.
2. Certain claims were found uns	searchable (See Box No. II).	
3. Unity of invention is lacking (S	See Box No. III).	
4. With regard to the title,		
X the text is approved as submitted		
the text has been established by	this Authority to read as follows:	
	· .	
5. With regard to the abstract,		
X the text is approved as submitted	by the applicant.	
the text has been established, according to the text has been established, according to the date of mailing the text has been established, according to the text has been established.	cording to Rule 38.2(b), by this Auting of this international search report	thority as it appears in Box No. IV. The applicant may, within ort, submit comments to this Authority.
6. With regard to the drawings,		
a. the figure of the drawings to be publis	hed with the abstract is Figure No.	1
X as suggested by the app	licant.	
as selected by this Auth	ority, because the applicant failed to	to suggest a figure.
as selected by this Auth	ority, because this figure better char	racterizes the invention.
b. none of the figures is to be public	shed with the abstract.	•

International application No.

PCT/SG2005/000106

			<u> </u>	FC1/3G2003	,000100
·A.	CLASSIFICATION OF SUBJECT MA	TTER			
Int. Cl. 7:	G06T 7/60, A61B 5/055				
According to	International Patent Classification (IPC)	or to both	national classification and IPC		
	FIELDS SEARCHED				
Minimum docu	mentation searched (classification system fol	llowed by c	lassification symbols)	•	
Documentation	searched other than minimum documentation	n to the ext	ent that such documents are include	d in the fields searc	hed
		<del></del>	•		
WPAT, INT	base consulted during the international searc ERNET: direction, plane, axis, brain	h (name of , cranium	data base and, where practicable, so , head, image, slice, sagittal,	earch terms used) 3D, volume, MI	य
c	DOCUMENTS CONSIDERED TO BE REL	EVANT			
Category*	Citation of document, with indication,	where app	ropriate, of the relevant passage	es .	Relevant to claim No.
x	"Automatic Extraction of the Central Neuroradiology Images" Yanxi Liu University, Pittsburgh, PA, USA, 1 Retrieved on 6 May 2005, from UF http://www.ri.cmu.edu/pub_files/piSee the whole document.	n et al. Th 1996. NL;	e Robotics Institute, Carnegi	e Mellon	11-13
x	"Robust Midsagittal Plane Extracti Neuroradiology Images" Yanxi Liu 20, No. 3, March 2001, Pages 175- See the whole document	ı et al. IE			11-13
					•
X F	urther documents are listed in the con	ntinuation	of Box C X See pa	ntent family anno	ex
"A" documen	ategories of cited documents: it defining the general state of the art which is idered to be of particular relevance	· . cc	ter document published after the internal	ational filing date or pr understand the principl	iority date and not in the or theory
internatio	plication or patent but published on or after the mai filing date	"X" do	current of particular relevance; the clai cannot be considered to involve an involve one	med invention cannot rentive step when the c	be considered novel locument is taken
or which mother c	t which may throw doubts on priority claim(s) is cited to establish the publication date of itation or other special reason (as specified) it referring to an oral disclosure, use, exhibition	in	ocument of particular relevance; the clair volve an inventive step when the document ch documents, such combination being	ent is combined with	one or more other
or other r "P" documen		*&* do	ocument member of the same patent fan	uly .	٠
Date of the actu	al completion of the international search		Date of mailing of the internation	nal search report	1 6 JUN 2005
27 May 2005	•		•		1 0 2011 1003
	ng address of the ISA/AU		Authorized officer		
PO BOX 200, V E-mail address:	PATENT OFFICE  VODEN ACT 2606, AUSTRALIA  pct@ipaustralia.gov.au		Andrea Hadley		
Facsimile No. (	(02) 6285 3929		Telephone No : (02) 6283 222	22	

International application No. PCT/SG2005/000106

(Continuation	on). DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/SG2005/	000100				
ategory*	Citation of document, with indication, where appropriate, of the relevant passage	S	Relevant to claim No.				
х	WO 2003/060827 A1 (KENT RIDGE DIGITAL LABS) 24 July 2003 See the whole document		11-13				
x	"Computation of the Mid-Sagittal Plane in 3-D Brain Images" S. Prima et Transactions on Medical Imaging, Vol. 21, No. 2, February 2002, Pages 1 See the whole document	al. IEEE 122-138.	11-13				
A,P	WO 2004/034178 A2 (LABORITORIES FOR INFORMATION TECHN April 2004	OLOGY) 22	3Y) 22				
. <u>.</u>							
		-					
		•					
•							
		·					
		1					

Information on patent family members

International application No.

PCT/SG2005/000106

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				,			
wo	03060827	AU ·	2002236414	EP	1474782	US	2004240753
wo	2004034178	ΑŪ	2002348568				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX